

For KCC Use: 10-1-07
 Effective Date: 4
 District # 4
 SGA? Yes No

**KANSAS CORPORATION COMMISSION
 OIL & GAS CONSERVATION DIVISION
 NOTICE OF INTENT TO DRILL**

Form C-1
 December 2002
 Form must be Typed
 Form must be Signed
 All blanks must be Filled

Must be approved by KCC five (5) days prior to commencing well

Expected Spud Date October 9, 2007
 month day year

Spot East
 NWSE NE NW Sec. 31 Twp. 14 S. R. 21 West
 846 feet from N / S Line of Section
 2256 feet from E / W Line of Section
 Is SECTION Regular Irregular?

OPERATOR: License# 5455 ✓
 Name: Crawford Oil Company
 Address: P.O. Box 1366
 City/State/Zip: El Dorado, KS 67042
 Contact Person: Larry Crawford
 Phone: (316) 377-3373

(Note: Locate well on the Section Plat on reverse side)
 County: Trago
 Lease Name: CBCF Well #: 4-31
 Field Name: Mattie

CONTRACTOR: License# 33575 ✓
 Name: WW Drilling, LLC

Is this a Prorated / Spaced Field? Yes No
 Target Formation(s): Cherokee ✓
 Nearest Lease or unit boundary: 384' ✓
 Ground Surface Elevation: 2062.3 feet MSL

Well Drilled For:	Well Class:	Type Equipment:
<input checked="" type="checkbox"/> Oil <input type="checkbox"/> Enh Rec	<input checked="" type="checkbox"/> Infield	<input checked="" type="checkbox"/> Mud Rotary
<input type="checkbox"/> Gas <input type="checkbox"/> Storage	<input type="checkbox"/> Pool Ext.	<input type="checkbox"/> Air Rotary
<input type="checkbox"/> OWD <input type="checkbox"/> Disposal	<input type="checkbox"/> Wildcat	<input type="checkbox"/> Cable
<input type="checkbox"/> Seismic; # of Holes	<input type="checkbox"/> Other	
<input type="checkbox"/> Other		

Water well within one-quarter mile: Yes No
 Public water supply well within one mile: Yes No
 Depth to bottom of fresh water: 150'
 Depth to bottom of usable water: 600 550

If OWWO: old well information as follows:
 Operator: _____
 Well Name: _____
 Original Completion Date: _____ Original Total Depth: _____

Surface Pipe by Alternate: 1 2
 Length of Surface Pipe Planned to be set: 200+ ✓
 Length of Conductor Pipe required: none
 Projected Total Depth: 4,175

Directional, Deviated or Horizontal wellbore? Yes No
 If Yes, true vertical depth: _____
 Bottom Hole Location: _____
 KCC DKT #: _____

Formation at Total Depth: Cherokee
 Water Source for Drilling Operations:
 Well Farm Pond Other pump from stream
 DWR Permit #: 20070353

(Note: Apply for Permit with DWR)
 Will Cores be taken? Yes No
 If Yes, proposed zone: _____

AFFIDAVIT

RECEIVED
 KANSAS CORPORATION COMMISSION

The undersigned hereby affirms that the drilling, completion and eventual plugging of this well will comply with K.S.A. 55 et. seq.
 It is agreed that the following minimum requirements will be met:

SEP 25 2007

1. Notify the appropriate district office **prior** to spudding of well;
2. A copy of the approved notice of intent to drill **shall be** posted on each drilling rig;
3. The minimum amount of surface pipe as specified below **shall be set** by circulating cement to the top; in all cases surface pipe **shall be set** through all unconsolidated materials plus a minimum of 20 feet into the underlying formation.
4. If the well is dry hole, an agreement between the operator and the district office on plug length and placement is necessary **prior to plugging**;
5. The appropriate district office will be notified before well is either plugged or production casing is cemented in;
6. If an ALTERNATE II COMPLETION, production pipe shall be cemented from below any usable water to surface within **120 days** of spud date.
 Or pursuant to Appendix "B" - Eastern Kansas surface casing order #133,891-C, which applies to the KCC District 3 area, alternate II cementing must be completed within 30 days of the spud date or the well shall be plugged. **In all cases, NOTIFY district office** prior to any cementing.

CONSERVATION DIVISION
 WICHITA, KS

I hereby certify that the statements made herein are true and to the best of my knowledge and belief.

Date: September 25, 2007 Signature of Operator or Agent: Danna Thanda Title: Agent

For KCC Use ONLY
 API # 15 - 195-22491-0000
 Conductor pipe required None feet
 Minimum surface pipe required 200 feet per Alt. **XO 2**
 Approved by: KH 9-26-07
 This authorization expires: 3-26-08
 (This authorization void if drilling not started within 6 months of approval date.)
 Spud date: _____ Agent: _____

Remember to:

- File Drill Pit Application (form CDP-1) with Intent to Drill;
- File Completion Form ACO-1 within 120 days of spud date;
- File acreage attribution plat according to field proration orders;
- Notify appropriate district office 48 hours prior to workover or re-entry;
- Submit plugging report (CP-4) after plugging is completed;
- Obtain written approval before disposing or injecting salt water.

If this permit has expired (See: authorized expiration date) please check the box below and return to the address below.
 Well Not Drilled - Permit Expired
 Signature of Operator or Agent: _____
 Date: _____

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

31
 14
 215

IN ALL CASES PLOT THE INTENDED WELL ON THE PLAT BELOW

Plat of acreage attributable to a well in a prorated or spaced field

If the intended well is in a prorated or spaced field, please fully complete this side of the form. If the intended well is in a prorated or spaced field complete the plat below showing that the well will be properly located in relationship to other wells producing from the common source of supply. Please show all the wells and within 1 mile of the boundaries of the proposed acreage attribution unit for gas wells and within 1/2 mile of the boundaries of the proposed acreage attribution unit for oil wells.

API No. 15 - 195-22491-0000
 Operator: Crawford Oil Company
 Lease: CBCF
 Well Number: 4-31
 Field: Mattle
 Number of Acres attributable to well: _____
 QTR / QTR / QTR of acreage: NWSE - NE - NW

Location of Well: County: Trego
846 feet from N / S Line of Section
2256 feet from E / W Line of Section
 Sec. 31 Twp. 14 S. R. 21 East West

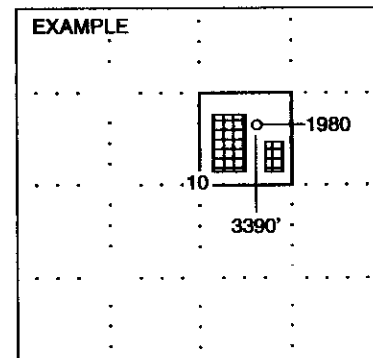
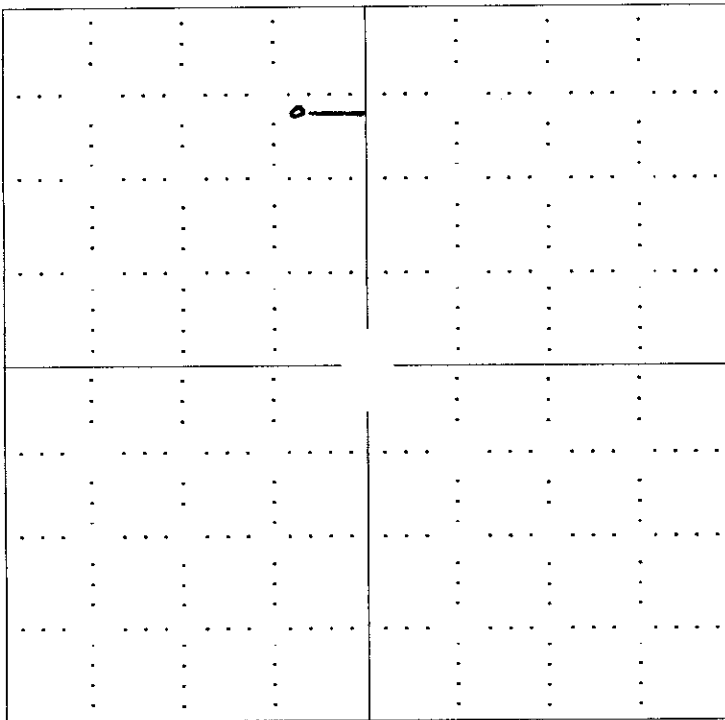
Is Section: Regular or Irregular

If Section is Irregular, locate well from nearest corner boundary.

Section corner used: NE NW SE SW

PLAT

*(Show location of the well and shade attributable acreage for prorated or spaced wells.)
 (Show footage to the nearest lease or unit boundary line.)*



NOTE: in all cases locate the spot of the proposed drilling location.

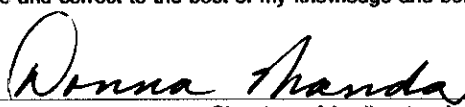
In plotting the proposed location of the well, you must show:

1. The manner in which you are using the depicted plat by identifying section lines, i.e. 1 section, 1 section with 8 surrounding sections, 4 sections, etc.
2. The distance of the proposed drilling location from the section's south / north and east / west.
3. The distance to the nearest lease or unit boundary line.
4. If proposed location is located within a prorated or spaced field a certificate of acreage attribution plat must be attached: (C0-7 for oil wells; CG-8 for gas wells).

**KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
APPLICATION FOR SURFACE PIT**

Form CDP-1
April 2004
Form must be Typed

Submit in Duplicate

Operator Name: Crawford Oil Company		License Number: 5455
Operator Address: P.O. Box 1366, El Dorado, KS 67042		
Contact Person: Larry Crawford		Phone Number: (316) 377 - 3373
Lease Name & Well No.: CBCF 4-31		Pit Location (QQQQ): NW SE NE NW Sec. 31 Twp. 14 R. 21 <input type="checkbox"/> East <input checked="" type="checkbox"/> West 846 Feet from <input checked="" type="checkbox"/> North / <input type="checkbox"/> South Line of Section 2256 Feet from <input type="checkbox"/> East / <input checked="" type="checkbox"/> West Line of Section Trego County
Type of Pit: <input type="checkbox"/> Emergency Pit <input type="checkbox"/> Burn Pit <input type="checkbox"/> Settling Pit <input checked="" type="checkbox"/> Drilling Pit <input type="checkbox"/> Workover Pit <input type="checkbox"/> Haul-Off Pit <small>(If WP Supply API No. or Year Drilled)</small>	Pit is: <input checked="" type="checkbox"/> Proposed <input type="checkbox"/> Existing If Existing, date constructed: _____ Pit capacity: 4,000 (bbls)	
Is the pit located in a Sensitive Ground Water Area? <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Chloride concentration: _____ mg/l <small>(For Emergency Pits and Settling Pits only)</small>
Is the bottom below ground level? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Artificial Liner? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	How is the pit lined if a plastic liner is not used? plastic liner
Pit dimensions (all but working pits): <u>75</u> Length (feet) <u>75</u> Width (feet) N/A: Steel Pits Depth from ground level to deepest point: <u>4</u> (feet)		
If the pit is lined give a brief description of the liner material, thickness and installation procedure.		Describe procedures for periodic maintenance and determining liner integrity, including any special monitoring.
Distance to nearest water well within one-mile of pit <u>645</u> feet Depth of water well <u>40</u> feet		Depth to shallowest fresh water <u>20</u> feet. Source of information: _____ measured _____ well owner _____ electric log (3) KDWR
Emergency, Settling and Burn Pits ONLY: Producing Formation: _____ Number of producing wells on lease: _____ Barrels of fluid produced daily: _____ Does the slope from the tank battery allow all spilled fluids to flow into the pit? <input type="checkbox"/> Yes <input type="checkbox"/> No		Drilling, Workover and Haul-Off Pits ONLY: Type of material utilized in drilling/workover: <u>drilling mud</u> Number of working pits to be utilized: <u>2</u> Abandonment procedure: <u>air dry and backfill</u> RECEIVED KANSAS CORPORATION COMMISSION Drill pits must be closed within 365 days of issue date.
I hereby certify that the above statements are true and correct to the best of my knowledge and belief.		
<u>September 25, 2007</u> Date	 Signature of Applicant or Agent	SEP 25 2007 CONSERVATION DIVISION WICHITA, KS
KCC OFFICE USE ONLY		
Date Received: <u>9/25/07</u> Permit Number: _____	Permit Date: <u>9/25/07</u> Lease Inspection: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<i>Sand RFASAC</i>

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202



*Kathleen Sebelius, Governor
Thomas E. Wright, Chairman
Michael C. Moffet, Commissioner
Joseph F. Harkins, Commissioner*

September 25, 2007

Mr. Larry Crawford
Crawford Oil Company
PO Box 1366
El Dorado, KS 67042

RE: Drilling Pit Application
CBCF Lease Well No. 4-31
NW/4 Sec. 31-14S-21W
Trego County, Kansas

Dear Mr. Crawford:

District staff has inspected the above referenced location and has determined that the reserve pit shall be constructed **without slots**, the bottom shall be flat and reasonably level, and **if sand is encountered during the construction of the reserve pit or working pits, please call the District Office at (785) 625-0550**. The fluids must be removed. The fluids are to be removed from the reserve pit as soon as the Hutchinson Salt section has been drilled through and displacement of the fluids into the reserve pit has occurred. The fluids should be removed again as soon as practical after drilling operations have ceased. **Please keep all pits away from any draws.**

If production casing is set all completion fluids shall be removed from the working pits daily. NO completion fluids or non-exempt wastes shall be placed in the reserve pit.

The fluids should be taken to an authorized disposal well. Please call the District Office at (785) 625-0550 when the fluids have been removed. Please file form CDP-5, Exploration and Production Waste Transfer, within 30 days of fluid removal. Conservation division forms are available through our office and on the KCC web site: www.kcc.state.ks.us/conservation/forms.

A copy of this letter should be posted in the doghouse along with the approved Intent to Drill.

If you have any questions or concerns please feel free to contact the undersigned at the above address.

Sincerely,

Kathy Haynes
Environmental Protection and Remediation Department

cc: File